

Bonding Pad Design for Impedance Matching Improvement

Abstract of the Disclosure

The present invention is a bonding pad structure for improving
5 impedance matching that can optimize the impedance matching of the loop
between the chip and the substrate inside the package so as to improve the
electrical characteristics of the package structure by increasing the
capacitance of the loop through a simple structural refinement of the
bonding pad structure. The aforesaid bonding pad structure has function of
10 signal transmission and grounding for electronic components having
multiple electrical-connected layers, furthermore, the feature of the
foregoing structure is as following: the space between two bonding pads
exists a metal structure constructed using a plurality of parallel-positioned
metal layers which are overlapping and disconnected to one another.